

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	192089	dsp or (digital adj2 process\$4)	US-PGPUB; USPAT	OR	OFF	2008/01/22 07:55
L2	16326	398/1-214.cds.	US-PGPUB; USPAT	OR	OFF	2008/01/22 07:56
L3	1079	1 and 2	US-PGPUB; USPAT	OR	OFF	2008/01/22 07:56
L4	13973	mlse or (maximum adj likelihood)	US-PGPUB; USPAT	OR	OFF	2008/01/22 07:57
L5	7974	spm or self-phase or (self adj phase)	US-PGPUB; USPAT	OR	OFF	2008/01/22 07:56
L6	25	(US-20020012152-\$ or US-20030063285-\$ or US-20070223932-\$ or US-20070147850-\$ or US-20060245766-\$ or US-20040114939-\$ or US-20030043437-\$).did. or (US-5146359-\$ or US-7110677-\$ or US-7224906-\$ or US-7167651-\$ or US-7076169-\$ or US-5619206-\$ or US-6917031-\$ or US-6704349-\$ or US-5510927-\$ or US-6473222-\$ or US-5471336-\$ or US-5473463-\$ or US-5060312-\$ or US-5416628-\$ or US-5052051-\$ or US-5027436-\$ or US-4965858-\$ or US-6607311-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/01/22 07:56
L7	26	3 and 4	US-PGPUB; USPAT	OR	OFF	2008/01/22 08:15
L8	52	3 and 5	US-PGPUB; USPAT	OR	OFF	2008/01/22 08:18
L9	342	398/208-211.cds.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/22 08:18
L10	82	viterbi with (feedforward or feed-forward)	US-PGPUB; USPAT	OR	OFF	2008/01/22 08:26
L12	27987	(wdm or (wavelength adj2 multiplex\$4))	US-PGPUB; USPAT	OR	OFF	2008/01/22 08:41
L13	53237	crosstalk or cross-talk	US-PGPUB; USPAT	OR	OFF	2008/01/22 08:41
L14	322621	subtract\$4	US-PGPUB; USPAT	OR	OFF	2008/01/22 08:41
L15	7	12 same 13 same 14	US-PGPUB; USPAT	OR	OFF	2008/01/22 08:41
S1	2	"20040114939".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/17 13:49
S2	134	398/205-206.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:10
S3	283482	hybrid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:09
S4	23	S2 and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:09

## EAST Search History

S5	316	398/204-207.cds.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:10
S6	51	S3 and S5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:10
S7	28	S6 not S4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:13
S8	15562	398/1-214.cds.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:14
S9	858842	lo or oscillat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:14
S10	299103	hybrid\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 13:25
S11	668686	polari\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:14
S12	28349	S9 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:15
S13	8831	S11 and S12	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:15
S14	264	jones adj vector\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:18
S15	11	S13 and S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:15
S16	2114	jones with (vector\$1 or matri\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:18
S17	136	S13 and S16	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:19
S18	116593	protein\$1.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:19
S19	55	S17 not S18	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:26

## EAST Search History

S20	412976	analog with digital	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:27
S21	2913	S13 and S20	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:27
S22	76	S8 and S21	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:27
S23	290728	analog with digital with conver\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 14:28
S24	2092	S13 and S23	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:28
S25	31846	coherent same optic\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 12:34
S26	155	S24 and S25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 10:28
S27	1	("20040121741").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/16 12:33
S28	14421	coherent with (receiver\$1 or reception or detector\$1 or detection)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 12:35
S29	507	S13 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 12:35
S30	174	S29 and S23	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 13:00
S31	3	S30 and mlse	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 12:41
S32	29	S30 and (feedforward or feed-forward)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 12:41
S33	2	"4965858".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 13:16
S34	5	((("5140453") or ("7076169") or ("20040008941") or ("20040067064") or ("20040091066") or ("20040105682"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/16 13:16
S35	1	2004-486847.NRAN.	DERWENT	OR	OFF	2007/08/16 13:24

## EAST Search History

S36	13	(US-20040114939-\$ or US-20030058504-\$ or US-20030058499-\$ or US-20060245766-\$).did. or (US-5416628-\$ or US-5052051-\$ or US-6917031-\$ or US-7076169-\$ or US-7167651-\$ or US-5619206-\$ or US-6704349-\$ or US-7224906-\$ or US-4965858-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/08/16 13:24
S37	12	S10 and S36	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 13:25
S38	564972	multiply or multipli\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 13:25
S39	8	S37 and S38	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 13:30
S40	2522	S11 adj2 diversity	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 13:31
S41	205	S8 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 13:34
S42	43	S10 and S41	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 13:54
S43	1	("20030063285").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/16 13:55
S44	2	((("20030063285") or ("6,607,311")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/16 13:55
S45	19	(US-20040114939-\$ or US-20060245766-\$ or US-20030063285-\$).did. or (US-5416628-\$ or US-5052051-\$ or US-6917031-\$ or US-7076169-\$ or US-7167651-\$ or US-5619206-\$ or US-6704349-\$ or US-7224906-\$ or US-4965858-\$ or US-5027436-\$ or US-5060312-\$ or US-7110677-\$ or US-5510927-\$ or US-5473463-\$ or US-5471336-\$ or US-5146359-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/08/16 14:28
S46	13	S23 and S45	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/08/16 14:28
S47	1	("20040114939").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/19 12:44
S48	19	(US-20040114939-\$ or US-20060245766-\$ or US-20030063285-\$).did. or (US-7076169-\$ or US-5052051-\$ or US-5471336-\$ or US-5027436-\$ or US-5416628-\$ or US-5060312-\$ or US-5473463-\$ or US-7224906-\$ or US-7167651-\$ or US-7110677-\$ or US-4965858-\$ or US-6917031-\$ or US-6704349-\$ or US-5619206-\$ or US-5510927-\$ or US-5146359-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/11/19 13:22
S49	309524	hybrid\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 13:22

## EAST Search History

S50	17	S48 and S49	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 14:49
S51	1011804	polari\$7 or orthogonal\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 14:50
S52	17	S50 and S51	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 14:50
S53	871972	lo or oscillat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 15:11
S54	4664	S49 same S53	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 15:11
S55	363	S51 same S54	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 15:11
S56	16015	398/1-214.cds.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 15:12
S57	37	S55 and S56	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 15:43
S58	9316	spm or (self adj phase)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 15:43
S59	35	S54 and S58	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 15:47
S60	22	(US-20040114939-\$ or US-20060245766-\$ or US-20030063285-\$ or US-20030043437-\$ or US-20050196176-\$ or US-20070147850-\$).did. or (US-7076169-\$ or US-5052051-\$ or US-5471336-\$ or US-5027436-\$ or US-5416628-\$ or US-5060312-\$ or US-5473463-\$ or US-7224906-\$ or US-7167651-\$ or US-7110677-\$ or US-4965858-\$ or US-6917031-\$ or US-6704349-\$ or US-5619206-\$ or US-5510927-\$ or US-5146359-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/11/19 15:47
S61	2	S58 and S60	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 15:48
S62	11	(complex or convolut\$4) and S60	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 15:52
S63	304	quadrature adj sampling	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 15:53

## EAST Search History

S64	4	S54 and S63	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 15:54
S65	5986	chromatic adj dispersion	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 15:54
S66	543	taylor-michael.in. or taylor-michael-\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/17 13:49
S67	4	phase.dm. and polarization.dm. and S66	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/17 13:49
S68	329	398/204-207.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/17 17:33
S69	401	phase adj2 diversity	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/17 17:33
S70	881146	lo or oscillat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/17 17:33
S71	503	phase adj2 divers\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/17 17:33
S72	16323	398/1-214.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/17 17:34
S73	44	S70 and S71 and S72	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/17 17:34
S74	1	("5146359").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/21 14:52
S75	1	("7110677").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/21 15:29
S76	1	("20020012152").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/21 21:41
S77	1	("20030063285").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/21 21:41
S78	24	(US-20040114939-\$ or US-20060245766-\$ or US-20070147850-\$ or US-20030043437-\$ or US-20030063285-\$ or US-20070223932-\$ or US-20020012152-\$).did. or (US-7076169-\$ or US-7167651-\$ or US-6473222-\$ or US-6917031-\$ or US-7110677-\$ or US-7224906-\$ or US-5416628-\$ or US-5619206-\$ or US-5052051-\$ or US-5471336-\$ or US-6704349-\$ or US-4965858-\$ or US-5473463-\$ or US-5060312-\$ or US-5027436-\$ or US-5146359-\$ or US-5510927-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/01/21 21:55

## EAST Search History

S79	2	S78 and (multipath or multi-path)	US-PGPUB; USPAT	OR	OFF	2008/01/21 22:24
S80	3	S78 and (feedforward or feed-forward)	US-PGPUB; USPAT	OR	OFF	2008/01/22 08:26
S81	2	S78 and (mlse or likelihood)	US-PGPUB; USPAT	OR	OFF	2008/01/21 22:33
S82	12	S78 and (wdm or (wavelength adj2 multiplex\$4))	US-PGPUB; USPAT	OR	OFF	2008/01/22 08:40
S83	1	("6607311").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/21 22:09
S84	6	S78 and (spm or self-phase or (self))	US-PGPUB; USPAT	OR	OFF	2008/01/21 22:18
S85	7967	spm or self-phase or (self adj phase)	US-PGPUB; USPAT	OR	OFF	2008/01/21 22:18
S86	16312	398/1-214.cds.	US-PGPUB; USPAT	OR	OFF	2008/01/21 22:21
S87	.665	S85 and S86	US-PGPUB; USPAT	OR	OFF	2008/01/21 22:21
S88	36	dsp and S87	US-PGPUB; USPAT	OR	OFF	2008/01/21 22:22
S89	3122	(multipath or multi-path) adj interference	US-PGPUB; USPAT	OR	OFF	2008/01/21 22:24
S90	84	S86 and S89	US-PGPUB; USPAT	OR	OFF	2008/01/21 22:24
S91	70141	dsp	US-PGPUB; USPAT	OR	OFF	2008/01/22 07:55
S92	4	S90 and S91	US-PGPUB; USPAT	OR	OFF	2008/01/21 22:24
S93	13957	mlse or (maximum adj likelihood)	US-PGPUB; USPAT	OR	OFF	2008/01/21 22:33
S94	65	S93 and S86	US-PGPUB; USPAT	OR	OFF	2008/01/21 22:33